

WV Spill/Elk River

2/3/14

WO#	Sample/ Material	Objective	Task	Done
140101 0	Storage Tank Material	Characterize to fullest extent possible; Determine if Crude MCHM and Crude PPH are present; Identify any additional compounds (extra TICs); Where possible calibrate against MCHM and PPH standards.	Analyze by VOC	
			Analyze by SVOC	
			Analyze by Metals 200.7	
			Analyze by Anions 300.1	
			Analyze by Hg	
			Analyze by HPLC/UV	
			Analyze pH screen	
			Analyze % Water	
			Analyze by IR Screen	
	Crude MCHM	Determine DL	SVOC	
			VOC	
			SVOC	
			GC/FID	
			HPLC/UV	
	Crude PPH	Determine DL	Determine Composition (does it match MSDS)	
			SVOC	
			VOC	
			SVOC	
		Holding Time Study – holding time of PPH compound in Hexane extract and compare to MSDS biodegrade 28 day HT.	GC/FID	
			HPLC/UV screen	
			GC/FID	
	Tank 396 Material (250mL)	Characterize similar to Storage Tank material above except for Anions, Metals and Hg. Where possible calibrate using MCHM and PPH standards	Determine Composition (does it match MSDS)	
			SVOC	
			Analyze by VOC	
			Analyze by SVOC	
			Analyze by HPLC/UV	
			Analyze pH screen	
			Analyze % Water	

		Comparison of TICs – compare Tank Material and Tank 396 material and identify any unmatched peaks.	SVOC	
140101 4	Site Samples	Analyze for VOCs using target list and identify any TICs to determine presence of any MCHM or PPH material	Analyze by VOC	
		Analyze for SVOC using target list and MCHM & PPH standard to quantitatively determine concentration of MCHM or PPH present; identify TICs and determine which are related to Crude MCHM/PPH material and any other TICs.	Analyze by SVOC	
		Analyze qualitatively to determine presence of PPH compounds found in crude mixtures	Analyze by HPLC/UV screen	